

Cross-Linked Heparin Coatings and Methods

ABSTRACT OF THE DISCLOSURE

5 A thromboresistant coating for a medical device, method of coating and coated medical device,
the coating including an in situ cross-linked co-polymer of a cross-linkable biomolecule, preferably an
adsorbable biomolecule such as a heparin activity biomolecule with at least one prosthetic hydrophobic
unit, and a multifunctional crosslinking agent, such as a *bis*-variant of polyethylene glycol, polyethylene
oxide, or polyethylene glycol, wherein the crosslinking is by means of covalent complexation through at
10 least two functional groups of the multifunctional crosslinking agent.